

AMENDMENTS TO THE SPECIFICATION

Amend the paragraph bridging pages 1 and 2 of the specification as follows:

As used herein, the terms "morphogen," "bone morphogen," "bone morphogenic protein," "BMP," "morphogenic protein" and "morphogenetic protein" all embrace the class of proteins typified by human osteogenic protein 1 (hOP-1). Nucleotide and amino acid sequences for hOP-1 are shown in SEQ ID NO: 7 and 8, respectively. For ease of description, hOP-1 is a representative morphogen. It is appreciated that OP-1 is merely representative of the TGF- β subclass of true tissue morphogens, and is not intended to limit the description. Preferred morphogens are those that share at least 60% amino acid sequence identity or preferably at least 70% amino acid sequence homology with the C-terminal seven cysteine domain of hOP-1 (amino acid residues 330-431 of SEQ ID NO:8). Other known and useful morphogens include, but are not limited to, the mammalian osteogenic protein 1 (OP-1 also known as BMP-7, and the *Drosophila* homolog 60A), osteogenic protein-2 (OP-2, also known as BMP-8), osteogenic protein-3 (OP-3), BMP-2 (also known as BMP-2A or CBMP-2A, and the *Drosophila* homolog DPP), BMP-3, BMP-4 (also known as BMP-2B or CBMP-2B), BMP-5, BMP-6 and its murine homolog Vgr-1, BMP-9, BMP-10, BMP-11, BMP-12, GDF-3 (also known as Vgr2), GDF-8, GDF-9, GDF-10, GDF-11, GDF-12, BMP-13, BMP-14, BMP-15, GDF-5 (also known as CDMP-1 or MP52), GDF-6 (also known as CDMP-2), GDF-7 (also known as CDMP-3), the *Xenopus* homolog Vg1 and NODAL, UNIVIN, SCREW, ADMP, and NEURAL, and morphogenically-active amino acid variants (such as conservative substitution variants) of any thereof. Typically, such morphogens share functional features, such as the ability to stimulate endochondral bone formation in an in vivo bone assay, or the ability to stimulate N-CAM or LI isoform production in an NG108-15 neuronal cell culture. See U.S. 4,968,590; Sampath et al., Proc. Natl. Acad. Sci. USA 80: 6591-6595 (1983), incorporated by reference herein. Other functional assays for morphogen activity, useful in identifying morphogens are known in the art.